



FACT SHEET

90TH SPACE WING

90th Space Wing Office of Public Affairs 5305 Randall Ave. F.E. Warren AFB, WY 82005-2266 Phone (307) 773-3381

Comment Period on Proposed Cleanup Actions for Spill Site 7 at F.E Warren AFB in Cheyenne, WY

You have the opportunity to comment on the Engineering Evaluation/Cost Analysis (EE/CA) for Spill Site 7 at F.E. Warren AFB during a public comment period, from **November 4 to December 3, 2002**. Written comments can be sent to any of the names listed at the end of this fact sheet, or they can be made in person at a public meeting to be held at **7 p.m. on November 19 at Little America Hotel and Resort**.

The United States Air Force (USAF) has developed the EE/CA to analyze cleanup alternatives for a non-time-critical removal action at Spill Site 7, one area of the base environmental cleanup regulated under CERCLA (Comprehensive Environmental Response, Compensation and Liability Act), also known as Superfund. The U.S. Environmental Protection Agency (EPA) and the Wyoming Department of Environmental Quality (WDEQ) provide regulatory oversight for the cleanup being done on the base.

We have carefully studied the site and now believe that the following action is the best way to protect your health and the environment. The contaminated source area soils will be excavated from the site and treated above ground with a soil vapor treatment system. The soil vapor extraction system will efficiently reduce the levels of trichloroethene (TCE) concentration in the soil. When treatment goals have been reached and verified through testing, the soil will be placed back into the excavation. This removal action will cost \$911,952 and take 1 year to achieve the cleanup goals.

During the comment period, you may supply written comments on the EE/CA or other SS7 information in the Administrative Record file. At the end of the comment period, the EPA, WDEQ, and USAF will review the suggestions and make a final decision about the removal action at the site. Your input on the EE/CA is an important part of the decision-making process. We want to hear from you and will give serious attention to what you have to say.

Site History and Risks

Based on past activities, F. E. Warren was placed on the EPA National Priorities List in February 1990. One of the sites listed was Spill Site 7. Spill Site 7 is located south of Diamond Creek near Building 1294. From 1960 to 1966, Building 1294 was used as a liquid oxygen production facility for Atlas missiles. TCE was used extensively as a degreaser to prevent oil and gas from reacting explosively with pure oxygen. TCE spills in Building 1294 routinely flowed to a floor drain and then to a grease trap approximately 50 yards northeast of the building. The trap consisted of a subsurface concrete structure designed to capture floating oil and grease and allow wastewater to flow to Diamond Creek. From 1960 to 1989, there were several instances of known overflows of TCE from the grease trap onto the surrounding soils. In 1989, the grease trap, sludge, and locally impacted soil were excavated and properly disposed at off-base disposal facilities. Since this time, TCE has been detected in the groundwater under and down gradient of the site and in Diamond Creek in an area just down gradient of the site. An iron-filings wall was installed at the site in 2000 as an interim remedy to clean up contamination in the shallow groundwater before it discharges to Diamond Creek. There is still contamination present in the soil in the area of the former grease trap which is further contributing contamination to the groundwater. Therefore, to reduce the amount of contamination reaching the groundwater, the AF is proposing a removal action for this site. The EE/CA analyzed several alternatives for the site which included:

- Excavation and off-site disposal.
- In-situ treatment using soil vapor extraction, and
- Excavation and ex-situ treatment using soil vapor extraction.

The recommended removal action at this site is excavation of soils above the water table and ex-situ treatment using soil vapor extraction. The soil will be placed back in the excavation upon reaching treatment goals. This alternative is more effective and provides greater reduction in toxicity and volume of the contamination. A follow-on action for this site, currently scheduled for 2004, will address contamination remaining below the water table.

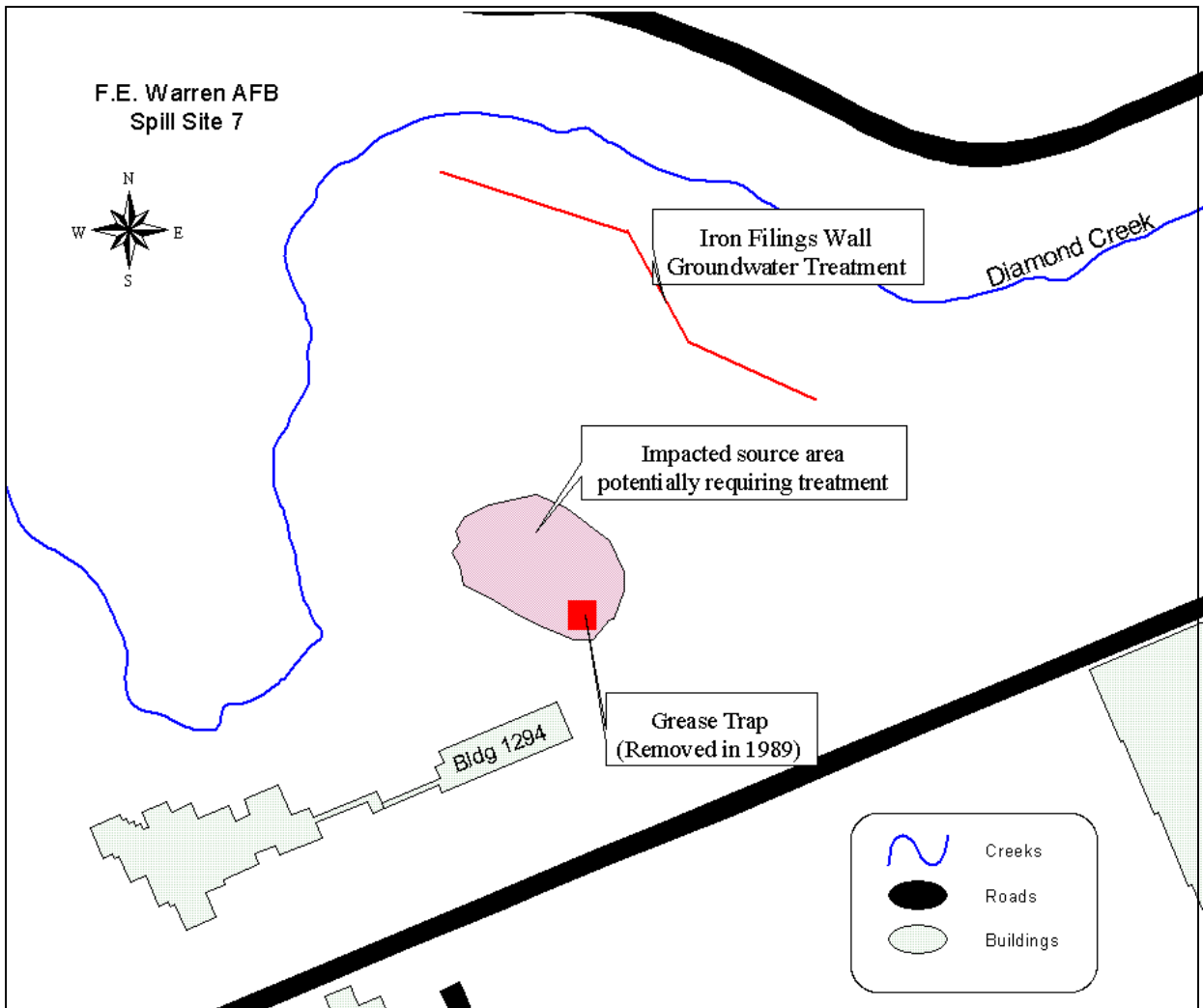
Removal Action Objectives

The objectives of the removal action at Spill Site 7 are to:

- Reduce concentrations of TCE and associated daughter products in saturated and unsaturated soil that act as a continuing source of contamination to the groundwater system; and
- Minimize potential contaminated surface water runoff into Diamond Creek that may originate in areas of contaminated surface soils.

Your Comments

We looked at a number of ways to meet the cleanup goals, which are described more completely in the EE/CA and Administrative Record file. The USAF, EPA, and WDEQ believe that the preferred alternative identified above will protect your health and the environment. However, before making a final decision, we want to hear what you think. We encourage you to find out more about the cleanup plan and make your views and concerns known on all the options that were considered. The action plan that is chosen will be described in an Action Memorandum. That document will include a summary of the comments received along with how these comments changed the decision that was reached. This Removal action constitutes the second interim action conducted at this site and will be incorporated into the decision for a final remedy scheduled for early 2004.



Tell Us What You Think

Review the Documents in the Administrative Record at the Following Location

Laramie County Library
2800 Central Avenue
Cheyenne, WY 82005
Phone: (307) 634-3561
Hours: Mon – Th 10 am to 9 pm,
Fri – Sat 10 am to 6 pm

The comment period runs from
November 4 – December 3, 2002

Submit Written Comments

Mr. John Wright
90 SW/EM RPM
300 Vesle Drive, Suite 600
F. E. Warren AFB, WY 82005
Phone: (307) 773-4147
john.wright@warren.af.mil
Mr. Rob Stites (8EPR-F)
U. S. EPA Region 8 RPM
999 18th Street, Suite 300
Denver, CO 80202
Phone: (800) 227-8917, ext 6658
stites.rob@epa.gov
Ms. Jane Cramer
WDEQ RPM
Herschler Building, 4 West
Cheyenne, WY 82002
Phone (307) 777-7092
JCROME@state.wy.us

Attend the Public Meeting

Public Meeting:

You are invited to a meeting to hear about the EE/CA for the removal action for Spill Site 7. At the meeting, you will be able to state your views about the clean up. The meeting will be held:

**November 19, 2002
7:00 PM**

**Little America Hotel & Resort,
Regency Room
2800 West Lincolnway
Cheyenne, Wyoming**

90 SW/EM
300 VESLE DR, STE 600
F. E. WARREN AFB WY 82005-2793

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